Project Description

The Aston Bay Property (the Property or the Project), also known as the Storm Property or Storm Project, is located on northern Somerset Island, in the Qikiqtani Region of Nunavut. The nearest community to the Property is Resolute Bay, located 112 km to the north, across Parry Sound on the southern edge of Cornwallis Island. The Property includes the Seal Zinc deposit and multiple copper-silver showings, collectively known as the Storm Copper prospect.

Aston Bay is currently applying to renew and amend Nunavut Water Board (NWB) Type B Water Licence 2BE-STO2025 and amend CIRNAC Class A Land Use Permit (LUP) N2021C0004.The Project has been reviewed by NPC in 2010, 2012, 2013, 2015, 2020 (File #149360) and 2025 (File #150931) and NIRB in 2010 (File #10EN013).

The currently authorized activities are:

- Project Extents
  NW: Latitude: 74° 01’ 02” N Longitude: 95° 20’ 12” W
  NE: Latitude: 74° 00’ 59” N Longitude: 93° 20’ 02” W
  SE: Latitude: 72° 45’ 36” N Longitude: 93° 19’ 36” W
  SW: Latitude: 72° 44’ 53” N Longitude: 95° 19’ 28” W
- General exploration activities (geological mapping, prospecting, geochemical sampling (rock, soil, till), airborne and ground geophysical surveys on the project mineral tenure on Crown land within Project Extents,
- 40-person Storm Camp with fuel cache, located at 73° 39’ 23” N Latitude, 94° 27’ 10” W Longitude,
- Previous camp site (Aston Camp, historic Cameco camp site), used to support exploration in 2014 and 2015, located at 73°42’30” N latitude and 94°43’15” W longitude. Now only site for storage of historical drill core and one 14’x16’ wooden shack containing survival equipment.
- Water use of 299 m^3/day (10 m^3/day for camp use and 289 m^3/day for drilling).
- Water for camp to be drawn from the Aston River,
- Drilling (and water to be drawn for drilling) within Project Extents on active Project mineral tenure (Crown land only),
- Remote fuel caches to support exploration,
- Incineration of combustible solid waste and sewage (by incinerator designed for the waste type),
- Disposal of grey water from camp and drilling activities into excavated sumps or natural depressions,
- Transportation of personnel, materials, equipment and fuel via fixed wing aircraft equipped with tundra tires and helicopters.

Requested amendments to the current authorizations:

- Reduction in Project Extents to reflect the current mineral tenure:
  NW: Latitude: 73° 57’ 10” N Longitude: 95° 20’ 46” W
  NE: Latitude: 73° 57’ 54” N Longitude: 93° 21’ 13” W
  SE: Latitude: 73° 5’ 14” N Longitude: 93° 21’ 28” W
  SW: Latitude: 73° 4’ 34” N Longitude: 95° 13’ 28” W

- Additional Storm Camp water source (lake north of camp located at approximately 73°40’05” N Latitude and 94°27’17” W Longitude),
- Additional structures to the existing 40-person Storm Camp to accommodate 65 people,
- Increase fuel stored at the main Storm Camp fuel cache from 80,000 L (400 drums) to 148,625 L (725 drums).
- Increase chemicals and materials required for camp and exploration activities.
- Marine landing area,
- Additional equipment needed to facilitate camp and exploration, such as a reverse circulation drill, skid steer, and snowmobiles.

During spring exploration, when the Aston River is frozen, water for the Storm Camp (located at approximately 73°39’23” N latitude and 94°27’07” W longitude) will be sourced from a lake north of camp located at approximately 73°40’05” N and 94°27’17” W. No change to the quantity of water is requested. The current water allowance is 10 m^3/day for camp use and 289 m^3/day for drilling, for a total of 299 m^3/day.

Storm Camp, which supports exploration activities associated with the Storm Project, is currently permitted to accommodate up to 40 personnel. As exploration activities advance and additional staffing is required, the camp may need to expand its capacity to support between up to 65 personnel. It is not anticipated that the installation of additional structures to house the increased workforce will result in an expanded site footprint. Any new structures are expected to be situated within the existing camp boundaries.

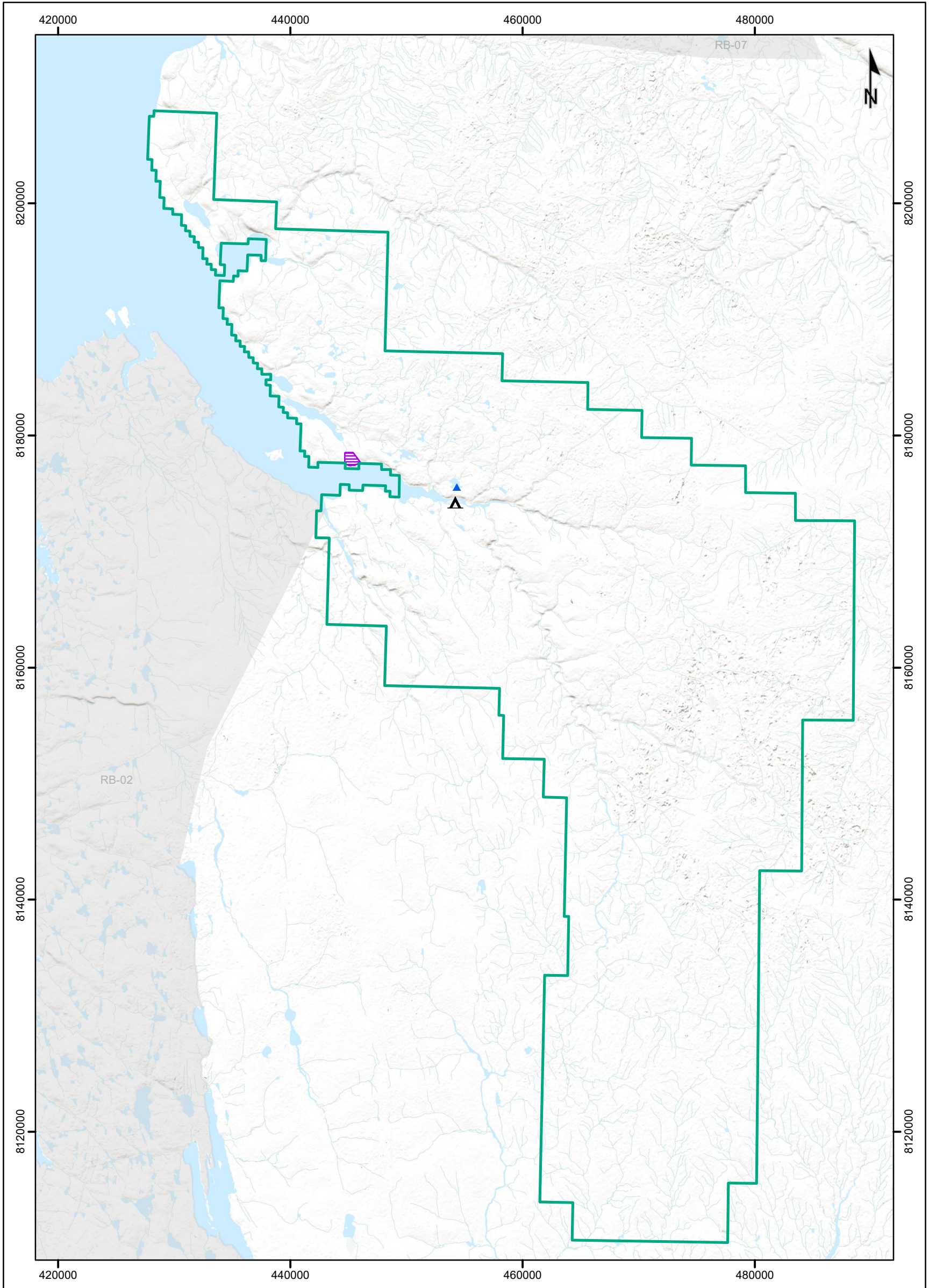
The proposed marine landing area location is approximately 73°41’06” N latitude and 94°43’50” W longitude, where a temporary fuel cache is currently staged. The proposed marine landing area is where the sealift landing occurs and will be utilized for staging of equipment, drilling materials and fuel caches prior to mobilization to camp via helicopter.

During the 2024 field program the proposed marine landing area was ground surveyed by a Qualified Professional Archaeologist.

Annual exploration programs are expected to continue similar to previous years, with a slight increase in drilling meterage anticipated. Drilling programs are anticipated to increase to 15,000 to 25,000 m, utilizing one to two diamond drill rigs, and one reverse circulation drill rig. Similar to previous programs, all exploration activities will be helicopter supported and based out of the Storm Camp.

The fuel cache, adjacent to camp is anticipated to increase to approximately 148,625 L (725 drums). The fuel and materials will be the same as previously cached, primarily diesel and jet fuel, with lesser quantities of gasoline and propane. Chemicals and materials required for camp and exploration activities will also slightly increase, such as CaCl2. As with previous programs, all fuel and other hazardous materials will be stored within secondary containment.

Additional equipment is also being permitted to facilitate camp and exploration, such as a reverse circulation drill, skid steer, and snowmobiles.



Legend

- Proposed Spring Water Source for Storm Camp
- Storm Camp
- Inuit Owned Land
- Proposed Marine Landing Area
- Aston Bay Project Outline

ASTON BAY

Somerset Island, Nunavut, Canada

Aston Bay (Storm) Project

1:350,000	UTM N83 Zone 15	June 2025

0 10 km

APEX GEOSCIENCE